

**HNF1A Antibody (Ascites)**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM2122a**

**Specification**

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**HNF1A Antibody (Ascites) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P20823</a>
Other Accession	<a href="#">P15257</a> , <a href="#">P22361</a> , <a href="#">NP_000536.4</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	67386
Antigen Region	177-205

**HNF1A Antibody (Ascites) - Additional Information**

**Gene ID** 6927

**Other Names**

Hepatocyte nuclear factor 1-alpha, HNF-1-alpha, HNF-1A, Liver-specific transcription factor LF-B1, LFB1, Transcription factor 1, TCF-1, HNF1A, TCF1

**Target/Specificity**

This HNF1A antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 177-205 amino acids from human HNF1A .

**Dilution**

WB~~1:100~1600

**Format**

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HNF1A Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

**HNF1A Antibody (Ascites) - Protein Information**

**Name** HNF1A

**Synonyms** TCF1

**Function** Transcriptional activator that regulates the tissue specific expression of multiple genes, especially in pancreatic islet cells and in liver (By similarity). Binds to the inverted palindrome 5'-GTTAATNATTAAC-3' (PubMed:[10966642](#), PubMed:[12453420](#)). Activates the transcription of CYP1A2, CYP2E1 and CYP3A11 (By similarity).

#### Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:10966642, ECO:0000269|PubMed:38018242}

#### Tissue Location

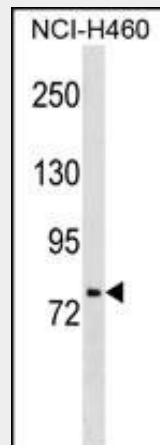
Liver.

### HNF1A Antibody (Ascites) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HNF1A Antibody (Ascites) - Images



HNF1A Antibody (Ascites)(Cat. #AM2122a) western blot analysis in NCI-H460 cell line lysates (35µg/lane). This demonstrates the HNF1A antibody detected the HNF1A protein (arrow).

### HNF1A Antibody (Ascites) - Background

The protein encoded by this gene is a transcription factor required for the expression of several liver-specific genes. The encoded protein functions as a homodimer and binds to the inverted palindrome 5'-GTTAATNATTAAC-3'. Defects in this gene are a cause of maturity onset diabetes of the young type 3 (MODY3) and also can result in the appearance of hepatic adenomas.

### HNF1A Antibody (Ascites) - References

Jablonski, K.A., et al. Diabetes 59(10):2672-2681(2010)  
Hu, M., et al. Pharmacogenet. Genomics 20(10):634-637(2010)  
Speliotes, E.K., et al. Hepatology 52(3):904-912(2010)  
Ley, S.H., et al. Cardiovasc Diabetol 9, 39 (2010) :  
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :